

ABSTRACT OF THE DISCLOSURE

A 1-butene polymer satisfying the following (1), (2) and either (3) or (3'):
a process for producing the polymer; a resin modifier comprising the polymer;
and a hot-melt adhesive containing the polymer. (1) The intrinsic viscosity $[\eta]$
5 as measured in tetralin solvent at 135°C is 0.01 to 0.5 dL/g. (2) The polymer
is a crystalline resin having a melting point (T_m ·D) of 0 to 100°C, the melting
point being defined as the top of the peak observed on the highest temperature
side in a melting endothermic curve obtained with a differential scanning
calorimeter (DSC) in a test in which a sample is held in a nitrogen atmosphere
10 at -10°C for 5 min and then heated at a rate of 10°C/min. (3) The
stereoregularity index $\{(mmmm)/(mmrr + rmmr)\}$ is 30 or lower. (3') The
mesopentad content (mmmm) determined from a nuclear magnetic resonance
(NMR) spectrum is 68 to 73%.

15